

1. A method of processing a telephone call at a communication processing system, wherein the telephone call is made from a telecommunications device by a user using a telephone calling card, comprising:

processing an identification number associated with the telephone calling card;

receiving a command from the telecommunications device;

in response to the command, configuring a calling card function; and

storing the calling card function for use by the communication processing system during a subsequent telephone call initiated by the user.

2. The method of claim 1, wherein configuring comprises associating an operation with one or more buttons of the telecommunications device.

3. The method of claim 1, wherein configuring comprises associating a number of keystrokes on the telecommunications device with a number to be dialed, wherein the number of keystrokes is less than a number of digits of the number to be dialed.

4. The method of claim 1, wherein configuring comprises selecting a language for voice prompts so that the language is automatically selected by the communication processing system during the subsequent telephone call.

5. The method of claim 1, further comprising executing the calling card function in response to another command received from the telecommunications device during a the subsequent telephone call.

6. The method of claim 5, wherein the calling card function is to dial a stored number and executing the calling card function comprises searching for the stored number in a data structure.

7. The method of claim 6, wherein searching for the stored number comprises:
receiving, from the telecommunications device, a search value associated with the stored number;

accessing the data structure containing a plurality of stored numbers associated with the user;

determining whether an association exists between at least one stored number of the plurality of stored numbers and the stored number to be dialed; and
if an association exists, then processing the at least one stored number.

8. The method of claim 7, wherein the search value comprises a name and wherein accessing the data structure comprises accessing one or more address books.

9. The method of claim 7, wherein processing the at least one stored number comprises, if the at least one stored number includes more than one number:

allowing the user to select one number from the at least one stored number;
and

dialing the selected one number.

10. A communication processing system configured to process a telephone call at a communication processing system, wherein the telephone call is made from a telecommunications device by a user using a telephone calling card, the communication processing system, comprising:

a computer comprising a network connection facility to communicate with the telecommunications device, and a processor configured to perform an operation during a network connection with the telecommunications device, the operation comprising:

process a telephone calling card identification number received from the telecommunications device;

enable at least one user-defined calling card function using the identification number, wherein the user-defined calling card function was configured during a previous network connection between the network connection facility and a telephony device operated by the user;

receive, from the telecommunications device, a command configured to invoke the at least one user-defined calling card function; and

execute the at least one user-defined calling card function.

11. The communication processing system of claim 10, wherein executing the at least one user-defined calling card function comprises dialing a previously dialed number.

12. The communication processing system of claim 10, wherein executing the at least one user-defined calling card function comprises dialing a number and the command comprises user input less than all digits of the number.

13. The communication processing system of claim 10, wherein executing the at least one user-defined calling card function comprises at least one of redialing a last number dialed, searching for a number, setting a language preference for voice prompts, and combinations thereof.

14. The communication processing system of claim 10, wherein executing the at least one user-defined calling card function comprises searching for a stored number in at least one address book specific to the user.

15. A computer-readable medium containing a telephone calling card program, wherein the calling card program, when executed by a processor performs operations comprising:

- communicating with the telecommunications device via a network connection in response to a telephone call initiated by a user of the telecommunications device;
- processing an identification number associated with a telephone calling card of the user;
- receiving a command from the telecommunications device;
- in response to the command, configuring a calling card function; and
- storing the calling card function for use during a subsequent telephone call initiated by the user.

16. The computer-readable medium of claim 15, wherein configuring comprises associating an operation with one or more buttons of the telecommunications device.

17. The computer-readable medium of claim 15, wherein configuring comprises associating a number of keystrokes on the telecommunications device with a number

to be dialed, wherein the number of keystrokes is less than a number of digits of the number to be dialed.

18. The computer-readable medium of claim 15, wherein configuring comprises selecting a language for voice prompts so that the language is automatically selected by the communication processing system during the subsequent network connection.

19. The computer-readable medium of claim 15, further comprising executing the calling card function in response to another command received from the telecommunications device during the subsequent network connection.

20. The computer-readable medium of claim 19, wherein the calling card function is to dial a stored number and executing the calling card function comprises searching for the stored number in a data structure.

21. The computer-readable medium of claim 20, wherein searching for the stored number comprises:

receiving, from the telecommunications device, a search value associated with the stored number;

accessing the data structure containing a plurality of stored numbers associated with the user;

determining whether an association exists between at least one stored number of the plurality of stored numbers and the stored number to be dialed; and

if an association exists, then processing the at least one stored number.

22. The computer-readable medium of claim 21, wherein the search value comprises a name and wherein accessing the data structure comprises accessing one or more address books.

23. The computer-readable medium of claim 21, wherein processing the at least one stored number comprises, if the at least one stored number includes more than one number:

allowing the user to select one number from the from at least one stored number; and

dialing the selected one number.

24. A computer-readable medium containing a telephone calling card program, wherein the calling card program, when executed by a processor performs operations comprising:

communicating with the telecommunications device via a network connection in response to a telephone call initiated by a user of the telecommunications device;

processing an identification number associated with a telephone calling card of the user;

enabling at least one user-defined calling card function using the identification number, wherein the user-defined calling card function was configured during a previous network connection initiated by the user;

receiving, from the telecommunications device, a command configured to invoke the at least one user-defined calling card function; and

executing the at least one user-defined calling card function.

25. The computer-readable medium of claim 24, wherein executing the at least one user-defined calling card function comprises dialing a previously dialed number.

26. The computer-readable medium of claim 24, wherein executing the at least one user-defined calling card function comprises dialing a number and the command comprises user input less than all digits of the number.

27. The computer-readable medium of claim 24, wherein executing the at least one user-defined calling card function comprises at least one of redialing a last number dialed, searching for a number, setting a language preference for voice prompts, and combinations thereof.

28. The computer-readable medium of claim 24, wherein executing the at least one user-defined calling card function comprises searching for a stored number in at least one address book specific to the user.